IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

GILL

Examiner:

Unassigned

Serial No.:

Unassigned

Group Art Unit:

Unassigned

Filed:

March 29, 2004

Docket No.:

HSJ920040003US1

(HITG.075PA)

Title:

METHOD AND APPARATUS FOR PROVIDING A CURRENT-IN-

PLANE (CIP) GMR SENSOR WITH AN IMPROVED IN-STACK BIAS

LAYER WITH A THINNER SENSOR STACK

CERTIFICATE UNDER 37 CFR 1.10

Express Mail' mailing label number: EV 418821736 US

Date of Deposit: March 29, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail

Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450.

By: Kathleen McDevitt

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted either within three months of the filing date or before the first Office Action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), and the 05 August 2003 Official Gazette Notice, only a copy of each foreign document or non-U.S. patent/application listed on the enclosed Form 1449 is provided.

Please note that any notations or markings on the attached documents do not reflect

particular relevance, or lack thereof, to the present application, nor were they necessarily made by

anyone affiliated with the prosecution of the present application.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C.

§§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is

intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of

M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked

as being considered and initialed by the Examiner, to the undersigned with the next official

communication.

Respectfully submitted,

Crawford Maunu PLLC

1270 Northland Drive

Suite 390

St. Paul, MN 55120

651/686-6633

Date: March 29, 2004

Reg. No. 36,204

2

Date Mailed: March 29, 2004 Sheet 1 of 1

FORM 1449* INFORMATION DISCLOSURE STATEMENT		Docket Number: HSJ920040003US1	Application Number: Unassigned		
	IN AN APPLICATION	Applicant: GILL			
	(Use several sheets if necessary)	Filing Date: 03/29/2004	Group Art Unit: Unassigned		

	·		U.S. PATENT DOCUMENTS	; 			
EXAMINER INITIAL			SUBCLASS	ASS FILING DATE IF APPROPRIATE			
	US 2003/0179513 A1	09/25/2003	PINARBASI				
	US 2003/0179514 A1	09/25/2003	PINARBASI				
	US 2003/0206382 A1	11/06/2003	CAREY et al.				
	US 2003/0227721 A1	12/11/2003	GILL				
	6,023,395	02/08/2000	DILL et al.				
	6,266,218	07/24/2001	CAREY et al.				
<u> </u>	6,515,838	02/04/2003	GILL				
	6,643,105	11/04/2003	NAKAMOTO et al.				
<u> </u>							
					·		
		F	DREIGN PATENT DOCUMEN	ITS			
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	ОТН	ER DOCUMENTS	(Including Author, Title, Date	e, Pertinent Page	s, Etc.)		
					-		

EXAMINER	DATE CONSIDERED					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.						